INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/00053

			101/0005/00055			
A. CLASSIFICATION OF SUBJECT MATTER IPC: C12Q 1/68(2006.01);C07H 21/02(2006.01),21/04(2006.01)						
USPC: 435/6;536/23.1,24.3 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELD	OS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/6; 536/23.1, 24.3						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a			Relevant to claim No.		
х	BONNET et al. Thermodynamic basis of the enhance	ed specificity of struc	tured DNA	18-21, 24 and 27-30		
Ÿ	probes. Proc. Natl. Acad. Sci., USA. May 1999, Vodocument.	il. 96, pages 61/1-61/	o, see enure	1-17, 22-23, 25-26		
Y	US 6,355,437 B1 (NERI et al.) 12 March 2002 (12.03.2002), see at least for example Figures 18A-18D.		1-30			
х	DU et al. Hybridization-Based Unquenching of DNA Hairpins on Au Surfaces: Prototypical		18-22 and 24-30			
 Y	"Molecular Beacon" Biosensors. J. Am. Chem. Soc. March 2003, Vol. 125, pages 4012-4013, see at least for example Figure 1.			12, 15-16		
х	DUBERTRET et al. Single-mismatch detection using gold-quenched fluorescent		18-21, 23-30			
	oligonucleotides. Nature Biotechnology. April 2001, Vol. 19, pages 365-370, see at least, for example Figure 1, panel B.			13, 15-16,		
Further	documents are listed in the continuation of Box C.	See patent	family annex.			
	pecial categories of cited documents:	"T" later docume	nt published after the internal	national filing date or priority date		
"A" document particular	defining the general state of the art which is not considered to be of relevance	principle or t	heary underlying the invent	ion		
	olication or patent published an or after the international filing date	considered n	particular relevance; the cla ovel or cannot be considere current is taken alone	d to involve an inventive step		
	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	considered to	particular relevance; the cli o involve an invantive step more other such documents.	simed invention cannot be when the document is combined such combination being obvious		
"O" document	referring to an oral disclosure, use, exhibition or other means		killed in the art			
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed						
Date of the actual completion of the international search 08 July 2006 (08.07.2006) Date of mailing of the international search 0. July 2006 (08.07.2006)						
Name and mailing address of the ISA/US Anti-orized officer O 10 10 0						
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450						
Alm	kandria, Virginia 223 13-1450	Telephone No. (571	1) 272-1600 C	()		
Facsimile No. (571) 273-3201						

Form PCT/ISA/210 (second sheet) (April 2005)

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		International application No.
	TANDEN A MICHAEL CO A DOLL DEDONA	
	INTERNATIONAL SEARCH REPORT	PCT/US05/00053
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	Continuation of D. EIEL DC CE ADCUED Item 2:	
	Continuation of B. FIELDS SEARCHED Item 3:	
	USPATFULL, USPG-PUBS and EUROPATFULL all via EAST	
İ	search terms: hairpin; probe\$; Molecular beacon\$; Quench\$; solid support; met	al or gold; microparticles or nanoparticles, E value
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